

FIG. 1

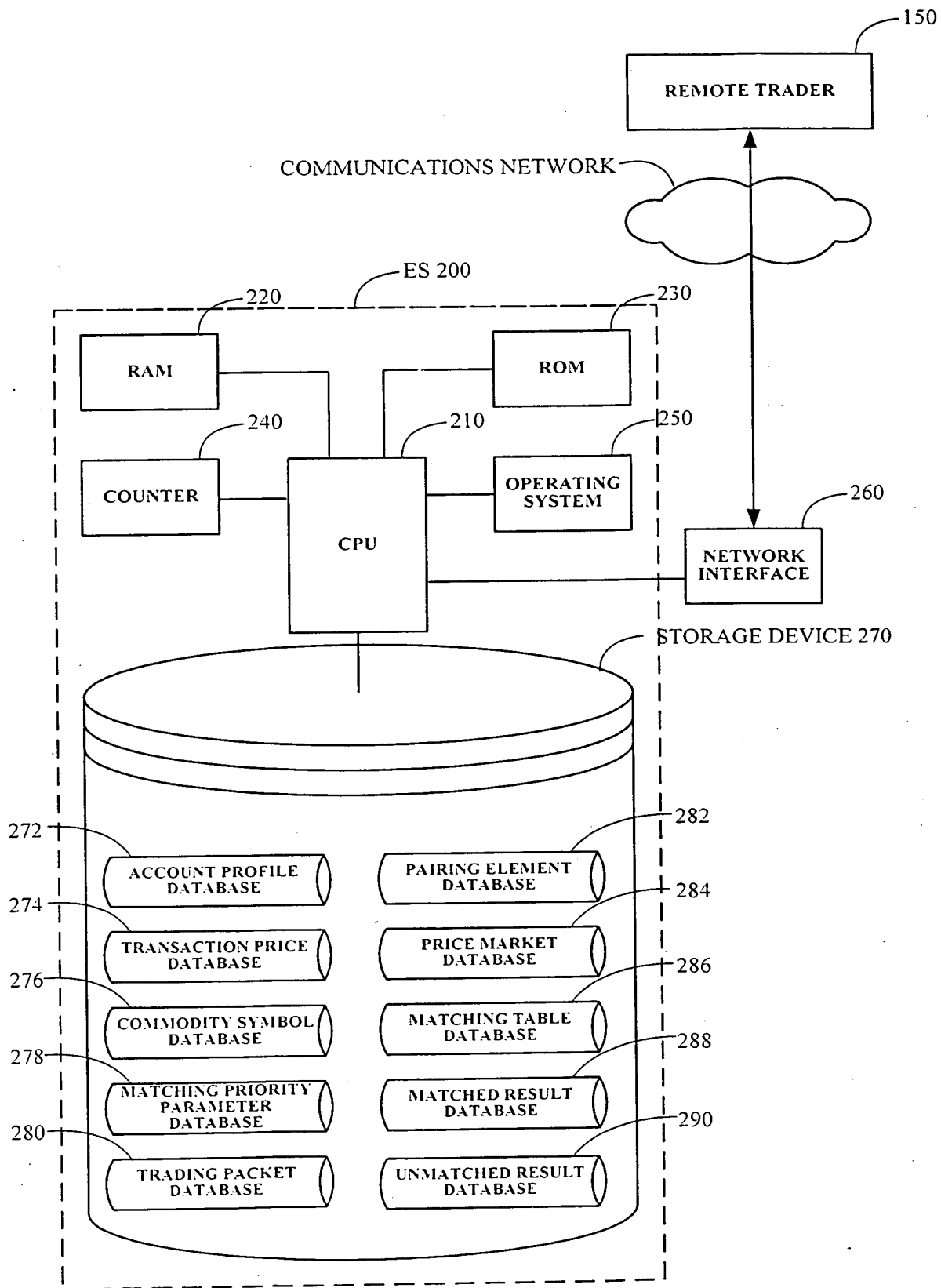


FIG. 2

The flowchart illustrates the process of a Remote Trader Login and Request Processing System (RSM 300). It begins with a Remote Trader (150) sending data to a Communications Network (represented by a cloud). The network then connects to the RSM 300, which is divided into several processing steps:

- 310**: RECEIVING IDENTIFICATION AND SECURITY PASSWORD FROM A REMOTE TRADER
- 320**: AUTHENTICATING A REMOTE TRADER, IF INVALID THEN DENY LOGIN REQUEST
- 330**: ISSUING A TRADING REQUEST FORM TO A REMOTE TRADER
- 340**: RECEIVING A PACKET OF TRADING REQUESTS FROM A REMOTE TRADER
- 350**: VALIDATING EACH TRADING REQUEST OF A PACKET, REQUIRING A REMOTE TRADER TO RE-SUBMIT TRADING REQUESTS IF INVALID
- 360**: GENERATING A PAIRING ELEMENT BY ASSIGNING A SEQUENCE NUMBER TO EACH TRADING REQUEST

A dashed line labeled RSM 300 runs vertically along the right side of the flowchart, indicating the system boundary.

FIG. 3

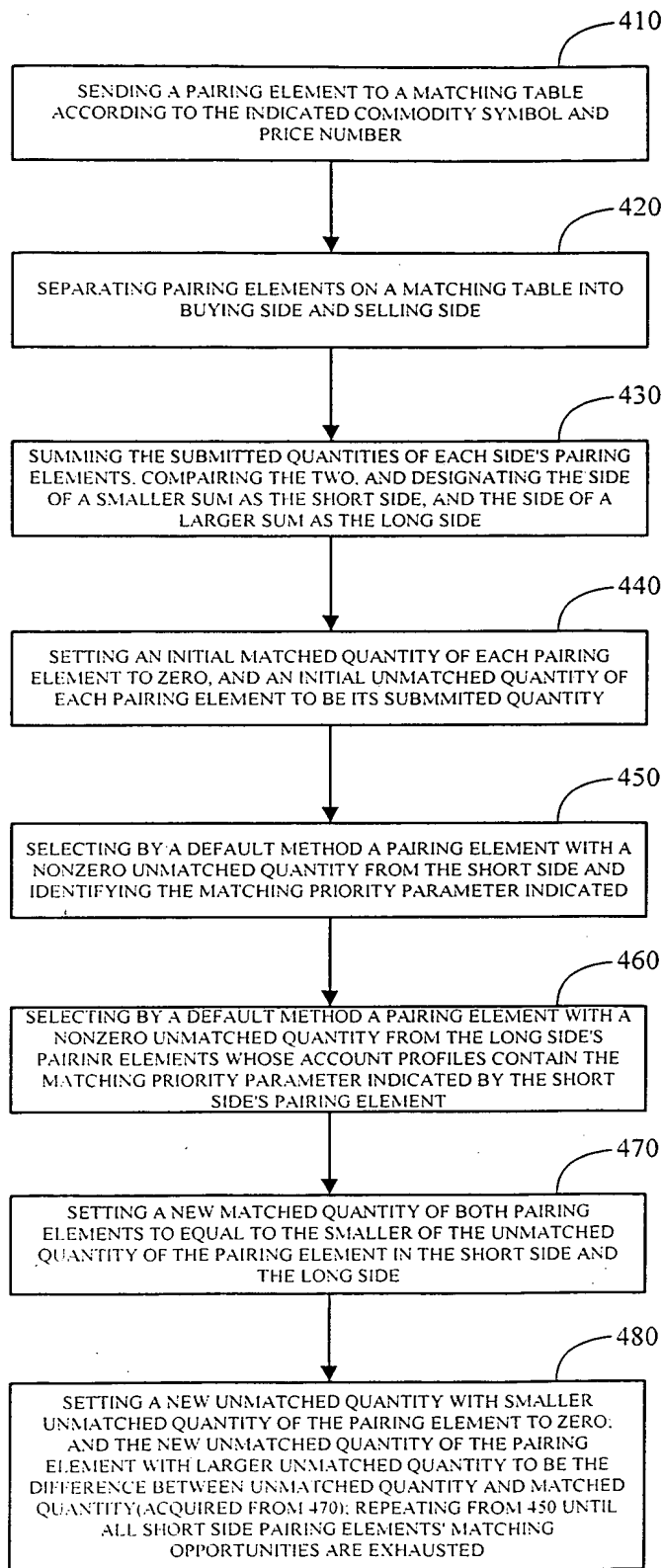


FIG. 4

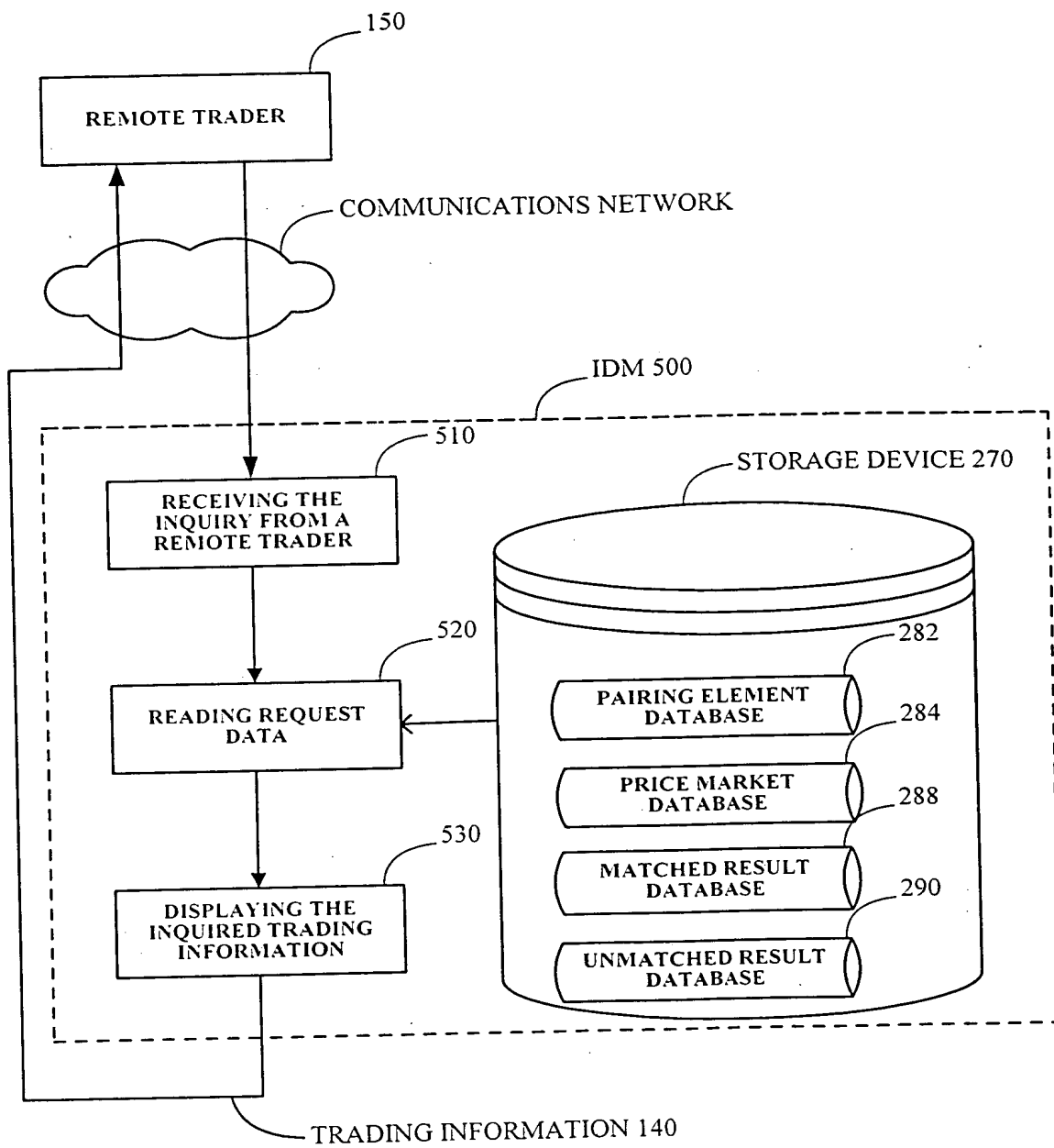


FIG. 5

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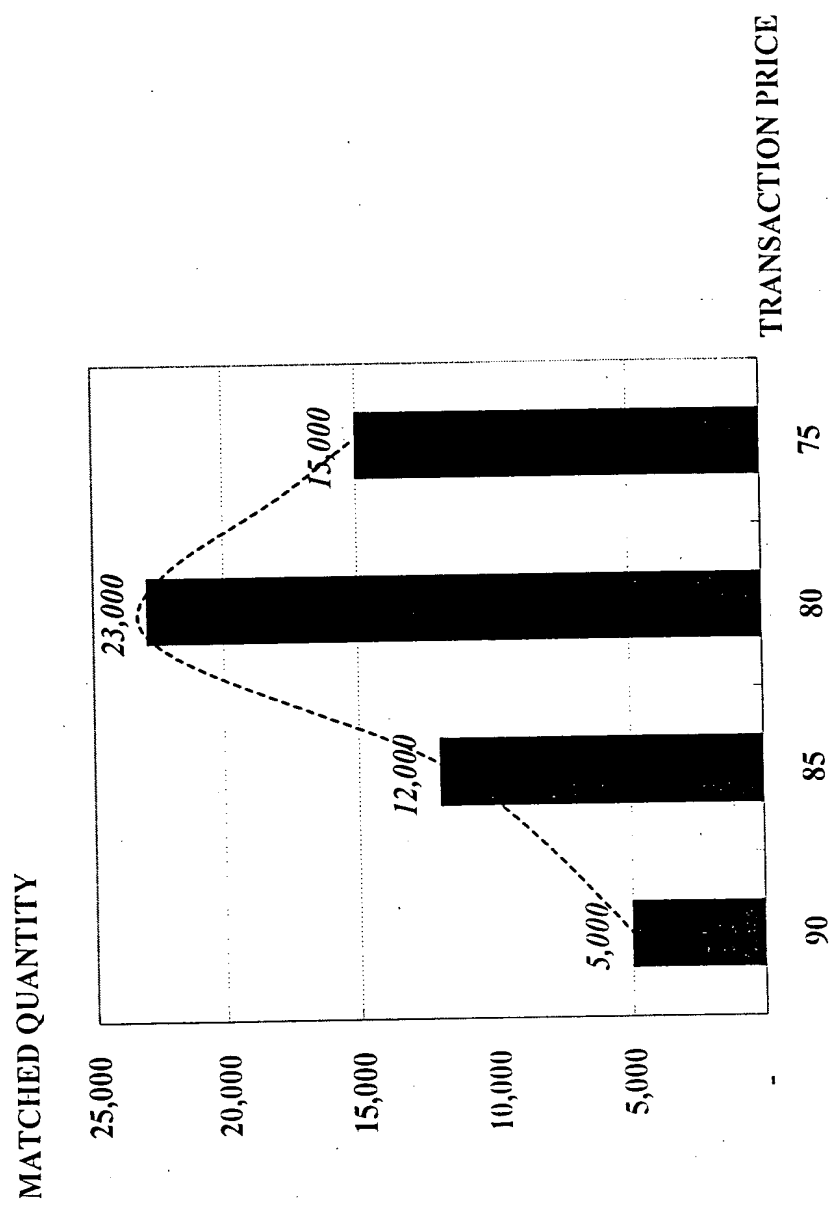


FIG. 6

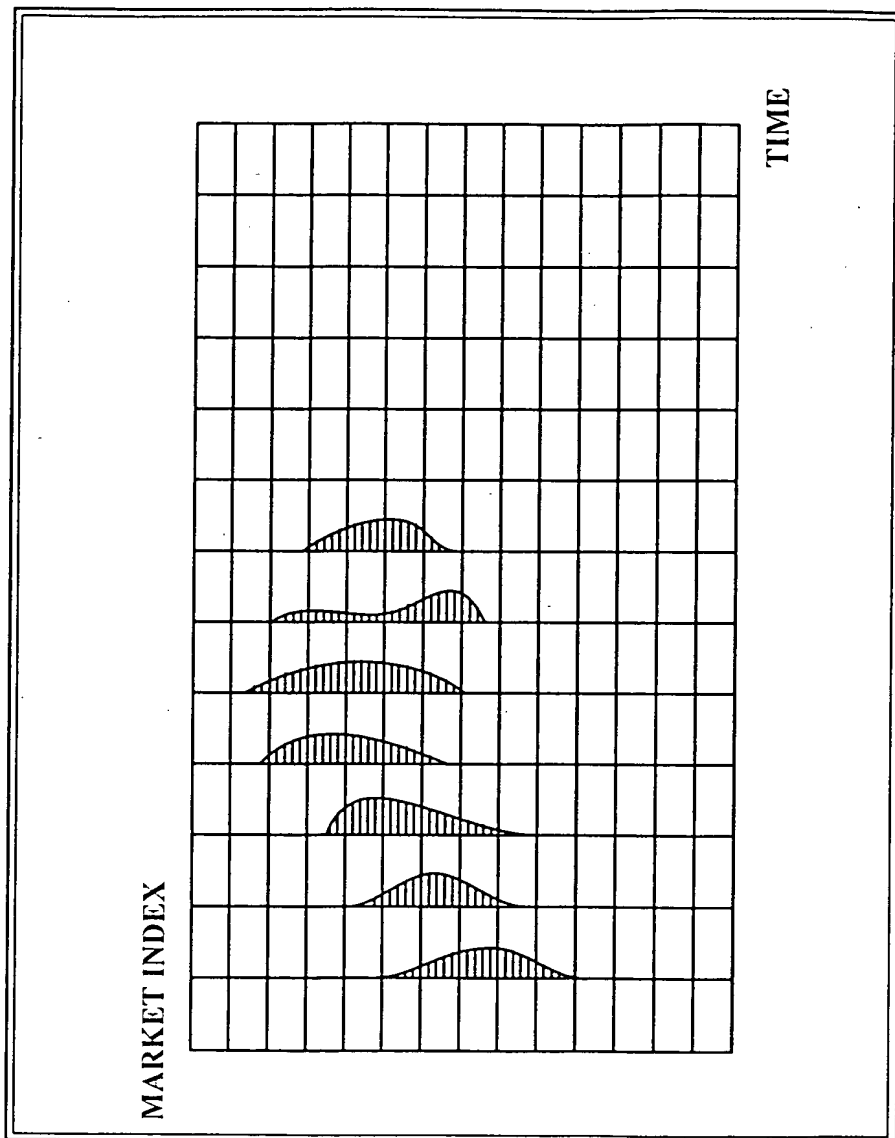


FIG. 7